

File
ACT10471017

WHITE RIVER SHALE OIL CORPORATION

SUITE 500 PRUDENTIAL BUILDING, 115 SOUTH MAIN STREET
SALT LAKE CITY, UTAH 84111
(801) 363-1170

June 8, 1982

Mr. James Smith
Utah Division of Oil, Gas and Mining
State Office Building, Room 4241
1588 West North Temple
Salt Lake City, UT 84114

Subject: White River Shale Project Topsoil Map

Dear Mr. Smith:

As discussed in the White River Shale Oil Corporation's (WRSOC) letter of May 24, 1982, enclosed are topsoil maps covering the areas which will be disturbed during development of the White River Shale Project Phase I mine facilities. These maps provide detailed soils classifications and the depths to which topsoil-like materials occur. This mapping approach was utilized due to the different soils occurring within short distances and the relatively small extent of each soil type. Topsoil-like material depths shown on the topsoil maps have been verified by field measurements and it is estimated that 80 percent to 90 percent of the mapped material will be recovered.

An estimated 45,000 cubic yards of topsoil will be recovered from the mine area. As noted in WRSOC's previous letter, most of this material will be stockpiled near the mine service building. With a maximum depth of 15 feet, approximately two acres will be required for the topsoil pile excluding grading, diversion ditches, and berms.

Woodward-Clyde, acting as consultants to the Ralph M. Parsons Company, prepared the topsoil maps and noted that the soils observed in the mine area do in fact correspond to data developed during the 1976 baseline survey by VTN Consolidated, Inc., as discussed in WRSOC's previous letter.

Topsoil management for areas peripheral to the mine area, other than the run-off retention dam/pond, will consist of topsoil recovery, storage, and reuse near the areas of origin. This is due to several factors: the relatively small quantities of topsoil involved, the need for only short-term topsoil storage, local reuse requirements, and the distance from the long-term storage area. These peripheral areas include the mine access road

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to the mine site (along an existing graded dirt road), the production water well service road, and the Module I construction camp. Topsoil resources within these areas have not yet been mapped. Based on existing information, it is estimated that 15,000 cubic yards of topsoil exists within these areas.

In all cases, earthwork specifications require removal and stockpiling of all recoverable topsoil. An experienced soils engineer will be on-site to provide technical direction during topsoil recovery operations. If necessary, detailed topsoil mapping of the areas peripheral to the mine area will be accomplished following finalization of grading plans and will be submitted to the Utah Division of Oil, Gas and Mining prior to construction. Also enclosed for your review are two additional maps which indicate the limits of grading associated with WRSOC's Module I construction camp and production water well service road.

With the submittal of the enclosed information, WRSOC understands that UDOGM now has all of the information required to grant the Interim Approval sought in our April 7, 1982, letter. If you have any questions concerning the enclosed materials or require additional information, please feel free to call for assistance.

Sincerely,



Ralph A. DeLeonardis
Permits Coordinator

RAD/fb

Attachments

cc: P. A. Rutledge (w/attachments)